

Deepak Thrithamarassery Gangadharan

List of Publications by Year in descending order

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12
papers

508
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1040056

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1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Searching for stability at lower dimensions: current trends and future prospects of layered perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 2860-2889.	30.8	132
2	Ice-Assisted Synthesis of Black Phosphorus Nanosheets as a Metal-Free Photocatalyst: 2D/2D Heterostructure for Broadband H ₂ Evolution. <i>Advanced Functional Materials</i> , 2019, 29, 1902486.	14.9	116
3	Recent advancements in plasmon-enhanced promising third-generation solar cells. <i>Nanophotonics</i> , 2017, 6, 153-175.	6.0	72
4	Recent advancements in plasmon-enhanced visible light-driven water splitting. <i>Journal of Materiomics</i> , 2017, 3, 33-50.	5.7	70
5	Aromatic Alkylammonium Spacer Cations for Efficient Two-Dimensional Perovskite Solar Cells with Enhanced Moisture and Thermal Stability. <i>Solar Rrl</i> , 2018, 2, 1700215.	5.8	55
6	Enhanced Long-term and Thermal Stability of Polymer Solar Cells in Air at High Humidity with the Formation of Unusual Quantum Dot Networks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26257-26267.	8.0	17
7	Orthorhombic Non-Perovskite CsPbI ₃ Microwires for Stable High-Resolution X-Ray Detectors. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	14
8	A facile way for scalable fabrication of silver nanowire network electrodes for high-performance and foldable smart windows. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8620-8628.	10.3	12
9	Bulky Cations Improve Band Alignment and Efficiency in Sn-Pb Halide Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 2616-2628.	5.1	11
10	Inhibition of Amine-Water Proton Exchange Stabilizes Perovskite Ink for Scalable Solar Cell Fabrication. <i>Chemistry of Materials</i> , 2022, 34, 4394-4402.	6.7	5
11	High length-to-width aspect ratio lead bromide microwires <i>via</i> perovskite-induced local concentration gradient for X-ray detection. <i>CrystEngComm</i> , 2021, 23, 2215-2221.	2.6	3
12	Improving Photovoltaic Performance of Pb-Less Halide Perovskite Solar Cells by Incorporating Bulky Phenylethylammonium Cations. <i>Energy Technology</i> , 2021, 9, 2100176.	3.8	1